

Exploring the Extreme			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	OR	MA.2.2.3.5	Use rulers and other measurement tools to estimate and measure length in common units (e.g., centimeter and inch).
Exploring the Extreme			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	OR	MA.4.4.3.4	Determine the appropriate units, strategies, and tools to solving problems that involve estimating or measuring area.
Finding the Center of Gravity Using Plumb Lines	OR	MA.4.4.3.4	Determine the appropriate units, strategies, and tools to solving problems that involve estimating or measuring area.
Changing the Center of Gravity Using Moment Arms	OR	MA.4.4.3.4	Determine the appropriate units, strategies, and tools to solving problems that involve estimating or measuring area.
Exploring the Extreme			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Center of Gravity, Pitch, Yaw	OR	MA.5.5.2.2	Apply concepts of place value and the properties of operations to solve problems involving division.
Exploring the Extreme			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Jet Propulsion	OR	MA.6.6.3.2	Develop the meanings and uses of variables.
Fuel Efficiency	OR	MA.6.6.1.6	Apply the properties of operations to simplify calculations.
Exploring the Extreme			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 7			

Activity/Lesson	State	Standards	
Center of Gravity, Pitch, Yaw	OR	MA.7.7.2.2	Apply ratio and proportionality to solve problems, including percent and simple probability.
Exploring the Extreme			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Vectoring	OR	MA.8.8.3.1	Use properties of parallel lines, transversals, and angles to find missing sides and angles, and to solve problems including determining similarity or congruence of triangles.
Center of Gravity, Pitch, Yaw	OR	MA.8.8.3.6	Use models and referents to explore and estimate square roots.
Fuel Efficiency	OR	MA.8.8.2.3	Interpret and analyze displays of data and descriptive statistics.
Fuel Efficiency	OR	MA.8.8.2.4	Compare descriptive statistics and evaluate how changes in data affect those statistics.
Fuel Efficiency	OR	MA.8.8.3.6	Use models and referents to explore and estimate square roots.